

**Flood Control Project Maintenance
Levee Inspections**

2011 Channel Summary Report

Overall Unit and Item Ratings

Madera County FCWCA

Ash Slough

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A

Berenda Slough

Overall Unit Rating	Rated Item	Item Rating
U	Vegetation & Obstructions	U
	Shoaling / Sedimentation	U
	Erosion / Bank Caving	M
	Revetments	U
	Encroachments	M

Chowchilla River

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A

Fresno River

Overall Unit Rating	Rated Item	Item Rating
M	Vegetation & Obstructions	M
	Shoaling / Sedimentation	U
	Erosion / Bank Caving	A
	Revetments	M
	Encroachments	A

Flood Control Project Maintenance**Unit Cover Sheet****2011 Channel Inspection Results****Madera County FCWCA**

Channel
Ash Slough

Channel Rating	A
Date of Inspection	8/10/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Ash Slough					19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Low Water Crossing	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.		° Y	92
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling at this location.		°	1
3		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	2
4		Up	Revetments		N	Inspector Comments: No revetments at this locaiton.		°	3
5		Up	Encroachments		A	Inspector Comments: No encroachments.		°	4
6		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction present to impede flow.		° Y	91
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.		°	5
8		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	6
9		Down	Revetments		N	Inspector Comments: No revetment located at this site.		°	7
10		Down	Encroachments		A	Inspector Comments: No encroachments.		°	8
11	Santa Fe Dr	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.	37.146700 ° -120.164240 °	° Y	11
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.	37.146700 ° -120.164240 °	°	12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving at this location.	37.146700 ° -120.164240 °	°	9
14		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.146700 ° -120.164240 °	°	10
15		Up	Encroachments		A	Inspector Comments: No encroachments.	37.146700 ° -120.164240 °	°	15

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Ash Slough					19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
16		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.	37.146700 ° -120.164240 °	Y	16
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert channel flow	37.146700 ° -120.164240 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.146700 ° -120.164240 °		13
19		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.146700 ° -120.164240 °		14
20		Down	Encroachments		A	Inspector Comments: No encroachments.	37.146700 ° -120.164240 °		20
21	Rd 19	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	° °	Y	21
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or obstructions present to divert channel flow.	° °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	° °		18
24		Up	Revetments		N	Inspector Comments: No revetment located at this site.	° °		19
25		Up	Encroachments		A	Inspector Comments: No encroachments.	° °		25
26		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	° °	Y	26
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert channel flow.	° °		27
28		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or banking caving.	° °		23
29		Down	Encroachments		A	Inspector Comments: No encroachments.	° °		30
30	Rd 13	Up	Vegetation & Obstructions		A	Inspector Comments: Established tree near bridge should be removed for clear view of channel.	37.120400 ° -120.310890 °	Y	31

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Ash Slough					19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
31		Up	Shoaling / Sedimentation		M	Inspector Comments: Minimal amount of grasses on shoaling should be controlled.	37.120400 ° -120.310890 °		32
32		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank craving.	37.120400 ° -120.310890 °		24
33		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.120400 ° -120.310890 °		28
34		Up	Encroachments		A	Inspector Comments: No encroachments.	37.120400 ° -120.310890 °		35
35		Down	Vegetation & Obstructions		A	Inspector Comments: Established vegetation near bridge should be controlled.	37.120400 ° -120.310890 °	Y	36
36		Down	Shoaling / Sedimentation		M	Inspector Comments: Minimal amount of grasses on shoaling should be controlled.	37.120400 ° -120.310890 °		37
37		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.120400 ° -120.310890 °		29
38		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.120400 ° -120.310890 °		33
39		Down	Encroachments		A	Inspector Comments: No encroachments.	37.120400 ° -120.310890 °		40
40	Ave 25	Up	Vegetation & Obstructions		A	Inspector Comments: A minimal amount of vegetation should be controlled.	37.113700 ° -120.320310 °	Y	41
41		Up	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of sedimentation and shoaling present.	37.113700 ° -120.320310 °		42
42		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.113700 ° -120.320310 °		34
43		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.113700 ° -120.320310 °		38
44		Up	Encroachments		A	Inspector Comments: No encroachments.	37.113700 ° -120.320310 °		45
45		Down	Vegetation & Obstructions		A	Inspector Comments: A minimal amount of vegetation present that should not impede channel flow.	37.113700 ° -120.320310 °	Y	46

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Ash Slough					19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
46		Down	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of sedimentation and shoaling present that should not divert channel flow.	37.113700 ° -120.320310 °		47
47		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.113700 ° -120.320310 °		39
48		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.113700 ° -120.320310 °		43
49		Down	Encroachments		A	Inspector Comments: No encroachments.	37.113700 ° -120.320310 °		50
50	Rd 12	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present that would impede channel flow.	37.010800 ° -120.328280 °	Y	51
51		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present that should divert channel flow.	37.010800 ° -120.328280 °		52
52		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.010800 ° -120.328280 °		44
53		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.010800 ° -120.328280 °		48
54		Up	Encroachments		A	Inspector Comments: No encroachment	37.010800 ° -120.328280 °		55
55		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction present to impeded channel flow.	37.010800 ° -120.328280 °	Y	56
56		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert channel flow.	37.010800 ° -120.328280 °		57
57		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.010800 ° -120.328280 °		49
58		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.010800 ° -120.328280 °		53
59		Down	Encroachments		A	Inspector Comments: No encroachments.	37.010800 ° -120.328280 °		60
60	Ave 23 1/2	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction present to impeded channel flow.	37.090920 ° -120.268370 °	Y	61

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

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Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
61		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation of shoaling present to divert channel flow.	37.090920 ° -120.268370 °		62
62		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.090920 ° -120.268370 °		54
63		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.090920 ° -120.268370 °		58
64		Up	Encroachments		A	Inspector Comments: No encroachments.	37.090920 ° -120.268370 °		65
65		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions to impede channel flow.	37.090920 ° -120.268370 °	Y	66
66		Down	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of sedimentation present in channel that should not impede channel flow.	37.090920 ° -120.268370 °		67
67		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.090920 ° -120.268370 °		59
68		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.090920 ° -120.268370 °		63
69		Down	Encroachments		A	Inspector Comments: No encroachments.	37.090920 ° -120.268370 °		70
70	Hwy 152	Up	Vegetation & Obstructions		A	Inspector Comments: A minimal amount of vegetation near the bridge that should be controlled, but does not impede channel flow.	37.083010 ° -120.361040 °	Y	71
71		Up	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of non-aquatic grasses present on shoal, but should not impede channel flow.	37.083010 ° -120.361040 °		72
72		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.083010 ° -120.361040 °		64
73		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.083010 ° -120.361040 °		68
74		Up	Encroachments		A	Inspector Comments: No encroachments.	37.083010 ° -120.361040 °		75
75		Down	Vegetation & Obstructions		A	Inspector Comments: Established trees and vegetation near bridge should be controlled.	37.083010 ° -120.361040 °	Y	76

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Ash Slough					19.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
76		Down	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of shoaling present, but should not divert channel flow.	37.083010 ° -120.361040 °		77
77		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.083010 ° -120.361040 °		69
78		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.083010 ° -120.361040 °		73
79		Down	Encroachments		A	Inspector Comments: No encroachments.	37.083010 ° -120.361040 °		80
80	Rd 9	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	37.077870 ° -120.382770 °	Y	81
81		Up	Shoaling / Sedimentation		A	Inspector Comments: A minimal amount of shoaling present that should not divert channel flow.	37.077870 ° -120.382770 °		82
82		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.077870 ° -120.382770 °		74
83		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.077870 ° -120.382770 °		78
84		Up	Encroachments		A	Inspector Comments: No encroachments.	37.077870 ° -120.382770 °		85
85		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	37.077870 ° -120.382770 °	Y	86
86		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert channel flow.	37.077870 ° -120.382770 °		87
87		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.077870 ° -120.382770 °		79
88		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.077870 ° -120.382770 °		83
89		Down	Encroachments		A	Inspector Comments: No encroachments.	37.077870 ° -120.382770 °		90

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

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Channel	Channel Length	Inspection Start/End	Inspector
Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from the Ash Slough & Chowchilla River headwall.

richard_c_20110831_022.jpg



Levee Mile Report Line	6
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from the Ash Slough headwall.

richard_c_20110831_023.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Santa Fe Dr.

richard_c_20110831_024.jpg



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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Santa Fe Dr.

richard_c_20110831_025.jpg



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Road 19

richard_c_20110831_026.jpg



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Road 19

richard_c_20110831_027.jpg



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**Flood Control Project Maintenance
Channel Inspections**

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Madera County FCWCA

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Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	30
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Road 13

richard_c_20110831_028.jpg



Levee Mile Report Line	35
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Road 13

richard_c_20110831_029.jpg



Levee Mile Report Line	40
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Avenue 25

richard_c_20110831_030.jpg

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**Flood Control Project Maintenance
Channel Inspections**

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Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	45
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Avenue 25.

richard_c_20110831_031.jpg



Levee Mile Report Line	50
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Road 12

richard_c_20110831_032.jpg



Levee Mile Report Line	55
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Road 12

richard_c_20110831_033.jpg



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Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	60
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Avenue 23 1/2

richard_c_20110831_034.jpg



Levee Mile Report Line	65
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream for Avenue 23 1/2.

richard_c_20110831_035.jpg



Levee Mile Report Line	70
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Hwy 152

richard_c_20110901_036.jpg

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**Flood Control Project Maintenance
Channel Inspections**

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Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	75
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking east at trees established near Hwy 152 bridge.	
richard_c_20110901_037.jpg	



Levee Mile Report Line	75
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream from Hwy 152.	
richard_c_20110901_038.jpg	



Levee Mile Report Line	80
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Road 9.	
richard_c_20110901_039.jpg	

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Ash Slough	19.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	85
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Road 9

richard_c_20110901_040.jpg



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Flood Control Project Maintenance**Unit Cover Sheet****2011 Channel Inspection Results****Madera County FCWCA**

Channel
Berenda Slough

Channel Rating	U
Date of Inspection	7/20/2011
DWR Inspector	Herman Phillips
Accompanied By	No One No One

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Berenda Slough					18.00	07/20/2011 07/20/2011	Herman Phillips

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Santa Fe Dr	Up	Vegetation & Obstructions		A		37.143420 ° -120.162110 °	Y	1
2		Up	Shoaling / Sedimentation		A		37.143420 ° -120.162110 °		2
3		Up	Erosion / Bank Caving		A		37.143420 ° -120.162110 °		3
4		Up	Revetments		N	Inspector Comments: There is no revetment at this location.	37.143420 ° -120.162110 °		4
5		Up	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.143420 ° -120.162110 °		5
6		Down	Vegetation & Obstructions		A		37.143420 ° -120.162110 °	Y	6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.143420 ° -120.162110 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion visible at this site.	37.143420 ° -120.162110 °		8
9		Down	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	37.143420 ° -120.162110 °		9
10		Down	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.143420 ° -120.162110 °		10
11	Ave 26	Up	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the FCW.	37.127300 ° -120.193040 °	Y	11
12		Up	Shoaling / Sedimentation		M	Inspector Comments: The wild growth makes it impossible to see channel.	37.127300 ° -120.193040 °		12
13		Up	Erosion / Bank Caving		M	Inspector Comments: Unable to view channel for erosion or bank caving.	37.127300 ° -120.193040 °		13
14		Up	Revetments		M	Inspector Comments: Not able to see due to vegetation.	37.127300 ° -120.193040 °		14

*** Location**

LS : Land Side
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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
15		Up	Encroachments		A	Inspector Comments: There is no Encroachments at this location.	37.127300 ° -120.193040 °		15
16		Down	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the FCW.	37.127300 ° -120.193040 °	Y	16
17		Down	Shoaling / Sedimentation		M	Inspector Comments: Unable to see channel, dense wild growth. 7-20-2011.	37.127300 ° -120.193040 °		17
18		Down	Erosion / Bank Caving		M	Inspector Comments: Not able to view channel blocked by heavy growth.	37.127300 ° -120.193040 °		18
19		Down	Revetments		M	Inspector Comments: Heavy growth make it impossible to inspect channel.	37.127300 ° -120.193040 °		19
20		Down	Encroachments		A	Inspector Comments: No Encroachments at this site.	37.127300 ° -120.193040 °		20
21	Rd 19	Up	Vegetation & Obstructions		U	Inspector Comments: Channel is overgrown with vegetation.	37.122250 ° -120.202280 °	Y	21
22		Up	Shoaling / Sedimentation		M	Inspector Comments: Excessive vegetation on shoal in channel.	37.122250 ° -120.202280 °		22
23		Up	Erosion / Bank Caving		U	Inspector Comments: Unable to see channel to inspect for erosion.	37.122250 ° -120.202280 °		23
24		Up	Revetments		U	Inspector Comments: Unable to see revetments through dense vegetation.	37.122250 ° -120.202280 °		24
25		Up	Encroachments		A	Inspector Comments: No Encroachments at this site.	37.122250 ° -120.202280 °		25
26		Down	Vegetation & Obstructions		U	Inspector Comments: Channel is overgrown with vegetation.	37.122250 ° -120.202280 °	Y	26
27		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.122250 ° -120.202280 °		27
28		Down	Erosion / Bank Caving		M	Inspector Comments: wild growth blocks view.	37.122250 ° -120.202280 °		28

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
29		Down	Revetments		U	Inspector Comments: Unable to see Revetment due to dense wild growth.	37.122250 ° -120.202280 °		29
30		Down	Encroachments		A	Inspector Comments: No Encroachments at this location.	37.122250 ° -120.202280 °		30
31	Chowchilla Blvd	Up	Vegetation & Obstructions		A		37.106480 ° -123.234211 °	Y	31
32		Up	Shoaling / Sedimentation		A		37.106480 ° -123.234211 °		32
33		Up	Erosion / Bank Caving		A		37.106480 ° -123.234211 °		33
34		Up	Revetments		M	Inspector Comments: No revetment upstream at this point on either right bank nor left bank.	37.106480 ° -123.234211 °		34
35		Up	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.106480 ° -123.234211 °		35
36		Down	Vegetation & Obstructions		M	Inspector Comments: Some growth in channel downstream of bridge should be removed.	37.106480 ° -123.234211 °	Y	36
37		Down	Shoaling / Sedimentation		M	Inspector Comments: Shoaling in channel between bridge and tussle.	37.106480 ° -123.234211 °		37
38		Down	Erosion / Bank Caving		A		37.106480 ° -123.234211 °		38
39		Down	Revetments		N	Inspector Comments: There is no rip rap at this location downstream of Chowchilla Blvd.	37.106480 ° -123.234211 °		39
40		Down	Encroachments		U	Inspector Comments: There is a rock dam across the channel downstream of the rail road crossing .	37.106480 ° -123.234211 °		40
41	Rd 16	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.099970 ° -120.256830 °	Y	41

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
42		Up	Shoaling / Sedimentation		U	Inspector Comments: Channel is blocked by the wild growth. Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.099970 ° -120.256830 °		42
43		Up	Erosion / Bank Caving		A		37.099970 ° -120.256830 °		43
44		Up	Revetments		M	Inspector Comments: Unable to see revetments due to wild growth.	37.099970 ° -120.256830 °		44
45		Up	Encroachments		N	Inspector Comments: No Encroachments at this location.	37.099970 ° -120.256830 °		45
46		Down	Vegetation & Obstructions		M	Inspector Comments: Excessive growth in channel.	37.099970 ° -120.256830 °	Y	46
47		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation.	37.099970 ° -120.256830 °		47
48		Down	Erosion / Bank Caving		A		37.099970 ° -120.256830 °		48
49		Down	Revetments		M	Inspector Comments: Unable to see revetments due to wild growth.	37.099970 ° -120.256830 °		49
50		Down	Encroachments		N	Inspector Comments: No Encroachments at this location.	37.099970 ° -120.256830 °		50
51	Ave 22 1/2	Up	Vegetation & Obstructions		M	Inspector Comments: Remove vegetation from the channel.	37.076200 ° -120.275120 °	Y	51
52		Up	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel bank causing bank erosion and undercutting.	37.076200 ° -120.275120 °		52
53		Up	Erosion / Bank Caving		A		37.076200 ° -120.275120 °		53
54		Up	Revetments		N	Inspector Comments: No riprap present this site.	37.076200 ° -120.275120 °		54
55		Up	Encroachments		A	Inspector Comments: No Encroachments at this location.	37.076200 ° -120.275120 °		55

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LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
56		Down	Vegetation & Obstructions		U	Inspector Comments: Excessive vegetation in channel.	37.076200 ° -120.275120 °	Y	56
57		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.076200 ° -120.275120 °		57
58		Down	Erosion / Bank Caving		A		37.076200 ° -120.275120 °		58
59		Down	Revetments		M	Inspector Comments: Unable to see revetment due to vegetation.	37.076200 ° -120.275120 °		59
60		Down	Encroachments		A	Inspector Comments: No Encroachments at this locaton.	37.076200 ° -120.275120 °		60
61	Ave 22	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	37.069030 ° -120.278630 °	Y	61
62		Up	Shoaling / Sedimentation		A		37.069030 ° -120.278630 °	Y	62
63		Up	Erosion / Bank Caving		A		37.069030 ° -120.278630 °		63
64		Up	Revetments		N	Inspector Comments: Did not observe any riprap at this site.	37.069030 ° -120.278630 °		64
65		Up	Encroachments		A	Inspector Comments: No Encroachments at this location.	37.069030 ° -120.278630 °		65
66		Down	Vegetation & Obstructions		M	Inspector Comments: Tree and vegetation in channel.	37.069030 ° -120.278630 °	Y	66
67		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation	37.069030 ° -120.278630 °		67
68		Down	Erosion / Bank Caving		A		37.069030 ° -120.278630 °		68
69		Down	Revetments		N	Inspector Comments: No riprap placed on banks.	37.069030 ° -120.278630 °		69
70		Down	Encroachments		M	Inspector Comments: Rock and material against low water crossing blocking flow.	37.069030 ° -120.278630 °	Y	70

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
71	Ave 20	Up	Vegetation & Obstructions		M	Inspector Comments: Excessive growth in channel.	37.039900 ° -120.296300 °	Y	71
72		Up	Shoaling / Sedimentation		A		37.039900 ° -120.296300 °		72
73		Up	Erosion / Bank Caving		U	Inspector Comments: Unable to see banks due to wild growth on banks.	37.039900 ° -120.296300 °		73
74		Up	Revetments		M	Inspector Comments: Not able to see riprap, wild growth blocks view of banks.	37.039900 ° -120.296300 °		74
75		Up	Encroachments		N	Inspector Comments: No Encroachments at this location.	37.039900 ° -120.296300 °		75
76		Down	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions	37.039900 ° -120.296300 °	Y	76
77		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel bank causing bank erosion and undercutting.	37.039900 ° -120.296300 °		77
78		Down	Erosion / Bank Caving		M	Inspector Comments: Unable to see erosion due to wild growth.	37.039900 ° -120.296300 °		78
79		Down	Revetments		U	Inspector Comments: Dense brush, trees, or grasses hide the rock protection, or meandering and/or scour activity is undercutting	37.039900 ° -120.296300 °		79
80		Down	Encroachments		A		37.039900 ° -120.296300 °		80
81	Rd 13	Up	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the FCW.	37.025350 ° -120.310510 °	Y	81
82		Up	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.025350 ° -120.310510 °		82

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LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
83		Up	Erosion / Bank Caving		M	Inspector Comments: Wild growth makes it difficult to inspect the banks for erosion.	37.025350 ° -120.310510 °		83
84		Up	Revetments		U	Inspector Comments: Dense brush, trees, or grasses hide the rock protection, or meandering and/or scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling.	37.025350 ° -120.310510 °		84
85		Up	Encroachments		A	Inspector Comments: No encroachments at this location.	37.025350 ° -120.310510 °		85
86		Down	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions	37.025350 ° -120.310510 °	Y	86
87		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.025350 ° -120.310510 °		87
88		Down	Erosion / Bank Caving		A		37.025350 ° -120.310510 °		88
89		Down	Revetments		U	Inspector Comments: Unable to verify revetments due to wild growth.	37.025350 ° -120.310510 °		89
90		Down	Encroachments		A	Inspector Comments: No encroachments in the channel.	37.025350 ° -120.310510 °		90
91	Road 14	Up	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions	37.050740 ° -120.292550 °	Y	91
92		Up	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.050740 ° -120.292550 °		92
93		Up	Erosion / Bank Caving		M	Inspector Comments: Can't see banks for erosion due to wild growth in channel and banks.	37.050740 ° -120.292550 °		93
94		Up	Revetments		U	Inspector Comments: Dense brush, trees, or grasses hide the rock protection, or meandering and/or scour activity is undercutting	37.050740 ° -120.292550 °		94

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LIR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
95		Up	Encroachments		A	Inspector Comments: No encroachments in the channel.	37.050740 ° -120.292550 °		95
96		Down	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions	37.050740 ° -120.292550 °	Y	96
97		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees, brush or other vegetation. Shoals are diverting flow to channel	37.050740 ° -120.292550 °		97
98		Down	Erosion / Bank Caving		U	Inspector Comments: Not able to see banks. Wild growth prohibits view.	37.050740 ° -120.292550 °		98
99		Down	Revetments		U	Inspector Comments: Dense brush, trees, or grasses hide the rock protection, or meandering and/or scour activity is undercutting	37.050740 ° -120.292550 °		99
100		Down	Encroachments		A	Inspector Comments: No encroachments in the channel.	37.050740 ° -120.292550 °		100
101	Ave 18 1/2	Up	Vegetation & Obstructions		U	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 50% of the FCW.	37.018030 ° -120.326290 °	Y	101
102		Up	Shoaling / Sedimentation		A		37.018030 ° -120.326290 °		102
103		Up	Erosion / Bank Caving		M	Inspector Comments: Unable to see banks due to wild growth.	37.018030 ° -120.326290 °		103
104		Up	Revetments		U	Inspector Comments: Dense brush, trees, or grasses makes it impossible to see bank protection.	37.018030 ° -120.326290 °		104
105		Up	Encroachments		A	Inspector Comments: No encroachments in the channel.	37.018030 ° -120.326290 °		105
106		Down	Vegetation & Obstructions		M	Inspector Comments: Log jams, snags, vegetation growth (such as cat tails, bull rushes, bushes or saplings) or other obstructions block approximately 25% of the FCW.	37.018030 ° -120.326290 °	Y	106
107		Down	Shoaling / Sedimentation		M	Inspector Comments: Some shoaling with vegetation in the channel.	37.018030 ° -120.326290 °		107

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108		Down	Erosion / Bank Caving		M	Inspector Comments: Dense brush growth on banks prohibits view.	37.018030 ° -120.326290 °		108
109		Down	Revetments		U	Inspector Comments: Dense brush, trees, or grasses hide the rock protection, or meandering and/or scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling.	37.018030 ° -120.326290 °		109
110		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	37.018030 ° -120.326290 °		110

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Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Santa Fe Bridge crossing the Berenda slough looking upstream. Photo taken 7-20-2011

phillips_c_20110804_053.jpg



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Bridge crossing Berenda Slough. Photo taken 7-20-2011

phillips_c_20110804_054.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Avenue 26 bridge crossing looking upstream there is unsatisfactory growth of tulies in channel. Photo taken 7-21-2011.

phillips_c_20110804_055.jpg



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Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream from Avenue 26 at heavy growth of willows, bamboo and tules growing wild in channel. Photo taken 7-20-2011.	
phillips_c_20110804_056.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Road 19. Photo taken 7-20-2011.	
phillips_c_20110804_057.jpg	



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
From road 19 looking downstream, channel flow diverted by wild growth. Photo taken 7-20-2011.	
phillips_c_20110804_058.jpg	

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Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

From Chowchilla Blvd. Crossing looking upstream flow is moving freely. Photo taken 7-20-2011.

phillips_c_20110804_059.jpg



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Chowchilla Blvd. crossing Berenda Slough looking downstream. Photo taken 7-20-2011.

phillips_c_20110804_060.jpg



Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Road 16 looking upstream at Berenda Slough wild growth in channel. Photo taken 7-20-2011.

phillips_c_20110805_061.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Rd 16 bridge crossing Berenda Slough, wild growth in channel. Photo taken 7-20-2011.

phillips_c_20110805_062.jpg



Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

From Ave 22 1/2 looking upstream at Berenda Slough growth in channel flow not completely blocked. Photo taken 7-20-2011

phillips_c_20110809_064.jpg



Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from Ave. 22 1/2 at Berenda Slough wild growth present in channel, bamboo, willow trees, aquatic plantings and etc. This photo was taken 7-20-2011.

phillips_c_20110810_065.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on low water crossing (Ave. 22) looking upstream at Berenda Slough. Some vegetation visible on right bank, flow moves freely. Photo taken 7-20-2011.

phillips_c_20110810_066.jpg



Levee Mile Report Line	62
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Shoaling / Sedimentation

Looking downstream from Ave.

phillips_c_20110810_067.jpg



Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Ave. 22 (lowwater crossing) looking downstream at Berenda Slough, this crossing has culverts in place for water to travel through. Photo taken 7-20-2011.

phillips_c_20110810_068.jpg



*** Location**

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CR : Crown

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	70
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

Downstream of Ave 22 build up of driftwood, rock and other materials are present at this site.

phillips_c_20110810_069.jpg



Levee Mile Report Line	71
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Ave, 20 looking upstream. Photo taken 7-20-2011

phillips_c_20110810_070.jpg



Levee Mile Report Line	76
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

ve. 20 looking downstream from bridge at Berenda Slough. Photo taken 7-20-2011.

phillips_c_20110810_071.jpg



*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	81
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Road 13 looking upstream at Berenda Slough.
Photo taken 7-20-2011.

phillips_c_20110810_072.jpg



Levee Mile Report Line	86
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Road 13 looking downstream at Berenda Slough.
Photo taken 7-20-2011.

phillips_c_20110810_073.jpg



Levee Mile Report Line	91
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Road 14 looking upstream at Berenda Slough.
Photo taken 7-20-2011.

phillips_c_20110810_074.jpg



*** Location**

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Berenda Slough	18.00	07/20/2011 07/20/2011	Herman Phillips

Levee Mile Report Line	96
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Road 14 looking downstream at Berenda Slough. Photo taken 7-20-2011.

phillips_c_20110810_075.jpg



Levee Mile Report Line	101
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Ave. 18 1/2 crossing Berenda Slough looking upstream. Photo taken 7-20-2011.

phillips_c_20110811_076.jpg



Levee Mile Report Line	106
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Ave. 18 1/2 crossing the Berenda Slough Looking downstream of channel. Photo taken 7-20-2011.

phillips_c_20110811_077.jpg



*** Location**

LS : Land Side
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**** Rating**

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Flood Control Project Maintenance**Unit Cover Sheet****2011 Channel Inspection Results****Madera County FCWCA**

Channel
Chowchilla River

Channel Rating	A
Date of Inspection	8/10/2011
DWR Inspector	Richard Willoughby
Accompanied By	

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Downstream Buchanan Dam	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present that would impede the flow.		° Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.		°	51
3		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	52
4		Up	Revetments		N	Inspector Comments: No revetment located at this site.		°	53
5		Up	Encroachments		A	Inspector Comments: No encroachments.		°	54
6		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present that would impede the flow.		° Y	2
7		Down	Shoaling / Sedimentation		A	Inspector Comments: Minimal amount of shoaling present that should not divert channel flow.		°	55
8		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	56
9		Down	Revetments		N	Inspector Comments: No revetment located at this site.		°	57
10		Down	Encroachments		A	Inspector Comments: No encroachments.		°	58
11	Santa Fe Dr	Up	Vegetation & Obstructions		A	Inspector Comments: Trees establish in channel near bridge should be removed for better view of channel.	37.164710 ° -120.174880 °	° Y	3
12		Up	Shoaling / Sedimentation		A	Inspector Comments: Trees established near bridge should be removed for better view of channel.	37.164710 ° -120.174880 °	°	4
13		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.164710 ° -120.174880 °	°	59
14		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.164710 ° -120.174880 °	°	60
15		Up	Encroachments		A	Inspector Comments: No visible encroachments.	37.164710 ° -120.174880 °	°	8

*** Location**

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
16		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions impeding channel flow.	37.164710 ° -120.174880 °	Y	5
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No visible sedimentation or shoaling.	37.164710 ° -120.174880 °		6
18		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.164710 ° -120.174880 °		61
19		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.164710 ° -120.174880 °		62
20		Down	Encroachments		A	Inspector Comments: No encroachments present.	37.164710 ° -120.174880 °		7
21	White Rock Rd	Up	Vegetation & Obstructions		A	Inspector Comments: Established trees near bridge should be removed for better view of channel	37.161820 ° -120.202050 °	Y	9
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No visible sedimentation or shoaling present.	37.161820 ° -120.202050 °		10
23		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.161820 ° -120.202050 °		63
24		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.161820 ° -120.202050 °		64
25		Up	Encroachments		A	Inspector Comments: No visible encroachments present.	37.161820 ° -120.202050 °		11
26		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal vegetation or obstructions present that should not impede the flow.	37.161820 ° -120.202050 °	Y	12
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling to divert flow.	37.161820 ° -120.202050 °		13
28		Down	Erosion / Bank Caving		M	Inspector Comments: Some minor erosion or bank caving located on right bank.	37.161820 ° -120.202050 °		65
29		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.161820 ° -120.202050 °		66
30		Down	Encroachments		A	Inspector Comments: No encroachments present.	37.161820 ° -120.202050 °		14

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
31	Rd 13/ Vista Ave	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal amount of vegetation present that should not impede flow.	37.140600 ° -120.310110 °	Y	21
32		Up	Shoaling / Sedimentation		M	Inspector Comments: A minimal amount grasses present on shoal should be controlled.	37.140600 ° -120.310110 °		22
33		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.140600 ° -120.310110 °		71
34		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.140600 ° -120.310110 °		72
35		Up	Encroachments		A	Inspector Comments: No encroachments present.	37.140600 ° -120.310110 °		23
36		Down	Vegetation & Obstructions		M	Inspector Comments: Established trees and vegetation near bridge should be removed for proper view of channel.	37.140600 ° -120.310110 °	Y	24
37		Down	Shoaling / Sedimentation		M	Inspector Comments: Shoaling and sedimentation near bridge should be properly maintained.	37.140600 ° -120.310110 °		25
38		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.140600 ° -120.310110 °		73
39		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.140600 ° -120.310110 °		74
40		Down	Encroachments		A	Inspector Comments: No encroachments present.	37.140600 ° -120.310110 °		26
41	RD 15	Up	Vegetation & Obstructions		A		37.151660 ° -120.274370 °	Y	15
42		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.	37.151660 ° -120.274370 °		16
43		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.151660 ° -120.274370 °		67
44		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.151660 ° -120.274370 °		68
45		Up	Encroachments		A	Inspector Comments: No encroachments present.	37.151660 ° -120.274370 °		17

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
46		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.	37.151660 ° -120.274370 °	Y	18
47		Down	Shoaling / Sedimentation		A	Inspector Comments: No visible shoaling or sedimentation present to divert flow.	37.151660 ° -120.274370 °		19
48		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.151660 ° -120.274370 °		69
49		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.151660 ° -120.274370 °		70
50		Down	Encroachments		A	Inspector Comments: No encroachments present.	37.151660 ° -120.274370 °		20
51	Low Water Crossing at Rd 11	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstruction that would impede the flow present.	37.123770 ° -120.347120 °	Y	27
52		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling that would divert flow.	37.123770 ° -120.347120 °		28
53		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.123770 ° -120.347120 °		75
54		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.123770 ° -120.347120 °		76
55		Up	Encroachments		A	Inspector Comments: No encroachments.	37.123770 ° -120.347120 °		29
56		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.	37.123770 ° -120.347120 °	Y	30
57		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.	37.123770 ° -120.347120 °		31
58		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.123770 ° -120.347120 °		77
59		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.123770 ° -120.347120 °		78
60		Down	Encroachments		A	Inspector Comments: No encroachments.	37.123770 ° -120.347120 °		32

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
61	Rd 9 & Bliss Rd	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.		° Y	39
62		Up	Shoaling / Sedimentation		A	Inspector Comments: Minimal amount of sedimentation or shoaling present.		°	40
63		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	79
64		Up	Revetments		N	Inspector Comments: No revetment located at this site.		°	80
65		Up	Encroachments		A	Inspector Comments: No encroachments.		°	41
66		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.		° Y	42
67		Down	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present to divert flow.		°	43
68		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.		°	81
69		Down	Revetments		N	Inspector Comments: No revetment located at this site.		°	82
70		Down	Encroachments		M	Inspector Comments: Landowner has planted palm trees in the channel.		° Y	44
71	Ave 25 & Washington Rd	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	37.112750 ° -120.405860 °	° Y	33
72		Up	Shoaling / Sedimentation		M	Inspector Comments: A minimal amount of sedimentation build-up in front of culverts.	37.112750 ° -120.405860 °	° Y	34
73		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.112750 ° -120.405860 °		83
74		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.112750 ° -120.405860 °		84
75		Up	Encroachments		A	Inspector Comments: No encroachments.	37.112750 ° -120.405860 °		35

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Chowchilla River					28.00	08/10/2011 08/10/2011	Richard Willoughby

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
76		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede channel flow.	37.112750 ° -120.405860 °	Y	36
77		Down	Shoaling / Sedimentation		M	Inspector Comments: A minimal amount of sedimentation in front of culverts.	37.112750 ° -120.405860 °	Y	37
78		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.112750 ° -120.405860 °		85
79		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.112750 ° -120.405860 °		86
80		Down	Encroachments		A	Inspector Comments: No encroachments.	37.112750 ° -120.405860 °		38
81	Shultz Rd & Rd 5 1/2	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation or obstructions present to impede flow.	37.101570 ° -120.446260 °	Y	45
82		Up	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation or shoaling present that would divert flow.	37.101570 ° -120.446260 °		46
83		Up	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.101570 ° -120.446260 °		87
84		Up	Revetments		N	Inspector Comments: No revetment located at this site.	37.101570 ° -120.446260 °		88
85		Up	Encroachments		A	Inspector Comments: No encroachments.	37.101570 ° -120.446260 °		47
86		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal amount of vegetation that should not impede channel flow.	37.101570 ° -120.446260 °	Y	48
87		Down	Shoaling / Sedimentation		A	Inspector Comments: Minimal amount of grasses present that should not impede channel flow.	37.101570 ° -120.446260 °		49
88		Down	Erosion / Bank Caving		A	Inspector Comments: No visible erosion or bank caving.	37.101570 ° -120.446260 °		89
89		Down	Revetments		N	Inspector Comments: No revetment located at this site.	37.101570 ° -120.446260 °		90
90		Down	Encroachments		A	Inspector Comments: No encroachments.	37.101570 ° -120.446260 °		50

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream just below dam.

richard_c_20110831_001.jpg



Levee Mile Report Line	6
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream just below dam.

richard_c_20110831_002.jpg



Levee Mile Report Line	11
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Santa Fe Dr.

richard_c_20110831_003.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream for Santa Fe Dr.

richard_c_20110831_004.jpg



Levee Mile Report Line	21
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream for White Rock Road (Road 19).

richard_c_20110831_005.jpg



Levee Mile Report Line	26
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from White Rock Road also Road 19

richard_c_20110831_006.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	31
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Road 13 or Vista Road	
richard_c_20110831_009.jpg	



Levee Mile Report Line	36
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream for Road 13 or Vista Road.	
richard_c_20110902_022.jpg	



Levee Mile Report Line	41
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Road 15	
richard_c_20110831_007.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	46
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream at Check Dam from Road 15

richard_c_20110831_008.jpg



Levee Mile Report Line	51
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking north at low water-crossing at Road 11

richard_c_20110831_010.jpg



Levee Mile Report Line	51
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream from Road 11

richard_c_20110831_011.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	56
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream from Road 11 (low water crossing)	
richard_c_20110831_012.jpg	



Levee Mile Report Line	61
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Road 9 or Bliss Road.	
richard_c_20110831_013.jpg	



Levee Mile Report Line	66
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream for Road 9 or Bliss Road.	
richard_c_20110831_014.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	70
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Encroachments
Looking downstream at palm trees planted in channel.	
richard_c_20110831_015.jpg	



Levee Mile Report Line	71
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Avenue 25 or Washington Road.	
richard_c_20110831_016.jpg	



Levee Mile Report Line	72
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Shoaling / Sedimentation
Looking southwest at sediment in front of culverts.	
richard_c_20110831_017.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	76
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream from Avenue 25 or Washington Road.	
richard_c_20110831_018.jpg	



Levee Mile Report Line	77
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Shoaling / Sedimentation
Looking northeast at minimal amount of sedimentation in front of culverts.	
richard_c_20110831_019.jpg	



Levee Mile Report Line	81
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking upstream from Shultz Road & Road 5 1/2	
richard_c_20110831_020.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Chowchilla River	28.00	08/10/2011 08/10/2011	Richard Willoughby

Levee Mile Report Line	86
Start Levee Mile	
End Levee Mile	
Location	
Category	Channels
Item	Vegetation & Obstructions
Looking downstream from Shultz Road & Road 5 1/2.	
richard_c_20110831_021.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment	C : Corrected
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Flood Control Project Maintenance**Unit Cover Sheet****2011 Channel Inspection Results****Madera County FCWCA**

Channel
Fresno River

Channel Rating	M
Date of Inspection	7/14/2011
DWR Inspector	Herman Phillips
Accompanied By	No One No One

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Fresno River					13.00	07/14/2011 07/14/2011	Herman Phillips

LIR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	U/S Limit @ Hidden Dam, Daulton Dr.	Up	Vegetation & Obstructions		A		37.103916 ° -119.888060 °	Y	1
2		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present in channel upstream of bridge.	37.103916 ° -119.888060 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noted at this site.	37.103916 ° -119.888060 °		3
4		Up	Revetments		N	Inspector Comments: No revetment noted at this site during this inspection.	37.103916 ° -119.888060 °		4
5		Up	Encroachments		A	Inspector Comments: No encroachments at this site.	37.103916 ° -119.888060 °		5
6		Down	Vegetation & Obstructions		U	Inspector Comments: Wild growth of willow trees has restricted the flow downstream of bridge crossing Fresno River, downstream from Dam. Photo taken 7-14-2011.	37.103916 ° -119.888060 °	Y	6
7		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by trees brush or other vegetation.	37.103916 ° -119.888060 °		7
8		Down	Erosion / Bank Caving		A		37.103916 ° -119.888060 °		8
9		Down	Revetments		U	Inspector Comments: Dense brush, trees, or wild grasses hide the rock protection, unable to see if any exist.	37.103916 ° -119.888060 °		9
10		Down	Encroachments		A		37.103916 ° -119.888060 °		10
11	Timber Bridge at Madera Canal	Up	Vegetation & Obstructions		A	Inspector Comments: Channel shows some sign of vegetation developing at this location. The flow is not impeded.	37.070110 ° -119.910220 °	Y	11
12		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses observed in channel on shoal.	37.070110 ° -119.910220 °		12
13		Up	Erosion / Bank Caving		A		37.070110 ° -119.910220 °		13
14		Up	Revetments		N	Inspector Comments: No rip rap observed at this site.	37.070110 ° -119.910220 °		14

*** Location**

LS : Land Side
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Fresno River					13.00	07/14/2011 07/14/2011	Herman Phillips

LMR No.	Check Point	View	Item	Location *	Rating **	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
15		Up	Encroachments		A		37.070110 ° -119.910220 °		15
16		Down	Vegetation & Obstructions		A		37.070110 ° -119.910220 °	Y	16
17		Down	Shoaling / Sedimentation		M	Inspector Comments: Several hundred feet downstream of bridge crossing shoaling is present.	37.070110 ° -119.910220 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion observed at this location.	37.070110 ° -119.910220 °		18
19		Down	Revetments		N	Inspector Comments: Could not see revetment here.	37.070110 ° -119.910220 °		19
20		Down	Encroachments		A		37.070110 ° -119.910220 °		20
21	Cleveland Ave	Up	Vegetation & Obstructions		A		36.974320 ° -120.043320 °	Y	21
22		Up	Shoaling / Sedimentation		A		36.974320 ° -120.043320 °		22
23		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noticed at this location.	36.974320 ° -120.043320 °		23
24		Up	Revetments		A		36.974320 ° -120.043320 °		24
25		Up	Encroachments		A		36.974320 ° -120.043320 °		25
26		Down	Vegetation & Obstructions		A	Inspector Comments: Minimal scattered obstructions or vegetation. The flow is not impeded.	36.974320 ° -120.043320 °	Y	26
27		Down	Shoaling / Sedimentation		M	Inspector Comments: Shoaling present downstream 100 plus feet from bridge crossing.	36.974320 ° -120.043320 °		27
28		Down	Erosion / Bank Caving		M	Inspector Comments: Erosion starting on L/B downstream at Cleveland Avenue bridge crossing the Fresno River. Photo taken 7-14-2011.	36.974320 ° -120.043320 °	Y	28
29		Down	Revetments		N	Inspector Comments: No riprap at this location.	36.974320 ° -120.043320 °		29
30		Down	Encroachments		A		36.974320 ° -120.043320 °		30

*** Location**

LS : Land Side
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Fresno River					13.00	07/14/2011 07/14/2011	Herman Phillips

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
31	Gateway Dr	Up	Vegetation & Obstructions		A		36.968760 ° -120.067840 °	Y	31
32		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal. No trees or brush is present on shoal.	36.968760 ° -120.067840 °		32
33		Up	Erosion / Bank Caving		A		36.968760 ° -120.067840 °		33
34		Up	Revetments		N	Inspector Comments: No revetment visible at this location.	36.968760 ° -120.067840 °		34
35		Up	Encroachments		A	Inspector Comments: No encroachments at this site.	36.968760 ° -120.067840 °		35
36		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation present in channel.	36.968760 ° -120.067840 °	Y	36
37		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal left bank of the Fresno river and in the channel downstream.	36.968760 ° -120.067840 °		37
38		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion observed at this location.	36.968760 ° -120.067840 °		38
39		Down	Revetments		M	Inspector Comments: No riprap displacement or scouring activity that could undercut banks, erode embankments, or restrict desired flow. Unwanted vegetation must be cleared and sprayed with an appropriate herbicide.	36.968760 ° -120.067840 °		39
40		Down	Encroachments		A	Inspector Comments: No encroachments at this location.	36.968760 ° -120.067840 °		40
41	Granada Ave	Up	Vegetation & Obstructions		A		36.967550 ° -120.128450 °	Y	41
42		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal, young brush is reappearing in channel.	36.967550 ° -120.128450 °		42
43		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noted at this location.	36.967550 ° -120.128450 °		43
44		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	36.967550 ° -120.128450 °		44

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Fresno River					13.00	07/14/2011 07/14/2011	Herman Phillips

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
45		Up	Encroachments		A	Inspector Comments: No encroachments at this location noted during this inspection.	36.967550 ° -120.128450 °		45
46		Down	Vegetation & Obstructions		M	Inspector Comments: Vegetation build up downstream in channel.	36.967550 ° -120.128450 °	Y	46
47		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal, no trees but there is brush building up in channel downstream.	36.967550 ° -120.128450 °		47
48		Down	Erosion / Bank Caving		A	Inspector Comments: Could not see erosion at this location.	36.967550 ° -120.128450 °		48
49		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	36.967550 ° -120.128450 °		49
50		Down	Encroachments		A	Inspector Comments: No encroachments observed at this location during this inspection.	36.967550 ° -120.128450 °		50
51	Rd 23	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal scattered growth of vegetation in channel, the flow is not impeded.	36.967900 ° -120.128770 °	Y	51
52		Up	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoals. No trees or brush present on shoals.	36.967900 ° -120.128770 °		52
53		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion noticed during this inspection.	36.967900 ° -120.128770 °		53
54		Up	Revetments		N	Inspector Comments: No rip rap observed at this site.	36.967900 ° -120.128770 °		54
55		Up	Encroachments		A		36.967900 ° -120.128770 °		55
56		Down	Vegetation & Obstructions		A		36.967900 ° -120.128770 °	Y	56
57		Down	Shoaling / Sedimentation		M	Inspector Comments: Non-aquatic grasses present on shoal, there is brush growing on shoal no trees observed during this inspection.	36.967900 ° -120.128770 °		57

*** Location**

LS : Land Side
WS : Water Side
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PO : Partially Obstructing
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N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
58		Down	Erosion / Bank Caving		A	Inspector Comments: No head cutting or horizontal deviation observed.	36.967900 ° -120.128770 °		58
59		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	36.967900 ° -120.128770 °		59
60		Down	Encroachments		M	Inspector Comments: Exposed pipe in channel downstream, cover appears to have washed away.	36.967900 ° -120.128770 °		60
61	Rd 20	Up	Vegetation & Obstructions		A		36.982340 ° -120.184160 °	Y	61
62		Up	Shoaling / Sedimentation		A		36.982340 ° -120.184160 °		62
63		Up	Erosion / Bank Caving		A		36.982340 ° -120.184160 °		63
64		Up	Revetments		N	Inspector Comments: No revetment noted during this inspection.	36.982340 ° -120.184160 °		64
65		Up	Encroachments		A	Inspector Comments: No encroachments noticed during this inspection.	36.982340 ° -120.184160 °		65
66		Down	Vegetation & Obstructions		M	Inspector Comments: Growth in channel.	36.982340 ° -120.184160 °	Y	66
67		Down	Shoaling / Sedimentation		M	Inspector Comments: Grassed present on shoal, flow is diverted within channel downstream.	36.982340 ° -120.184160 °		67
68		Down	Erosion / Bank Caving		A	Inspector Comments: Did not notice any erosion at this location.	36.982340 ° -120.184160 °		68
69		Down	Revetments		N	Inspector Comments: No revetment at this location.	36.982340 ° -120.184160 °		69
70		Down	Encroachments		A	Inspector Comments: No encroachments at this location observed during this inspection.	36.982340 ° -120.184160 °		70
71	Rd 19, D/S Limit	Up	Vegetation & Obstructions		U	Inspector Comments: Unsatisfactory growth in channel.	36.972802 ° -120.211845 °	Y	71
72		Up	Shoaling / Sedimentation		U	Inspector Comments: Can't see channel due to wild growth.	36.972802 ° -120.211845 °		72

*** Location**

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**** Rating**

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C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel					Channel Length	Inspection Start/End	Inspector
Fresno River					13.00	07/14/2011 07/14/2011	Herman Phillips

LIR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
73		Up	Erosion / Bank Caving		M	Inspector Comments: Unable to view banks for erosion weeds too tall.	36.972802 ° -120.211845 °		73
74		Up	Revetments		N	Inspector Comments: This item does not apply to this inspection.	36.972802 ° -120.211845 °		74
75		Up	Encroachments		M	Inspector Comments: Dead tree on L./B upstream of Fresno River at road 19 bridge crossing. Photo taken 7-14-2011.	36.972802 ° -120.211845 °	Y	75
76		Down	Vegetation & Obstructions		U	Inspector Comments: Unsatisfactory growth in channel.	36.972802 ° -120.211845 °	Y	76
77		Down	Shoaling / Sedimentation		U	Inspector Comments: Shoaling is well established, stabilized by vegetation in channel.	36.972802 ° -120.211845 °		77
78		Down	Erosion / Bank Caving		A	Inspector Comments: Unable to see banks due to wild growth.	36.972802 ° -120.211845 °		78
79		Down	Revetments		M	Inspector Comments: No riprap displacement or scouring activity that could undercut banks, erode embankments, or restrict desired flow. Unwanted vegetation must be cleared and sprayed with an appropriate herbicide.	36.972802 ° -120.211845 °		79
80		Down	Encroachments		N	Inspector Comments: No encroachments at this location during this inspection.	36.972802 ° -120.211845 °		80

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking upstream of Fresno River at Hidden Dam in background. Photo taken 7-14-2011

phillips_c_20110728_043.jpg



Levee Mile Report Line	6
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from bridge crossing of the Fresno River unsatisfactory growth in channel. This photo was taken 7-14-2011.

phillips_c_20110728_044.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on wooden bridge crossing the Fresno River looking upstream. Photo taken 7-14-2011.

phillips_c_20110801_045.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream from timber bridge crossing the Fresno River. Photo taken 7-14-2011.

phillips_c_20110801_046.jpg



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Standing on Cleveland Ave. road crossing looking upstream at Fresno River crossing. Photo taken 7-14-2011.

phillips_c_20110801_047.jpg



Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Looking downstream at Fresno River from Cleveland Avenue road crossing. Photo taken 7-14-2011.

phillips_c_20110801_050.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	28
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Erosion / Bank Caving
Looking downstream L/B at erosion bridge. Photo taken 7-14-2011.	
phillips_c_20110801_049.jpg	



Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Gate way Drive crossing Fresno River. Photo taken 7-14-2011	
phillips_c_20110817_078.jpg	



Levee Mile Report Line	36
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Gate way crossing the Fresno river. Photo taken 7-14-2011	
phillips_c_20110817_079.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable

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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	41
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Upstream of Granada Avenue crossing the Fresno River. Photo taken 7-14-2011.

phillips_c_20110817_080.jpg



Levee Mile Report Line	46
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Granada Ave. road crossing the Fresno River looking downstream. Photo taken 7-14-2011.

phillips_c_20110818_081.jpg



Levee Mile Report Line	51
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Road 23 crossing Fresno River looking upstream. Photo taken 7-14-2011.

phillips_c_20110818_082.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	56
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Rd 23 crossing the Fresno River looking downstream. Photo taken 7-14-2011.

phillips_c_20110819_083.jpg



Levee Mile Report Line	61
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Rd 20 bridge crossing the Fresno River looking upstream. Photo taken 7-14-2011.

phillips_c_20110819_084.jpg



Levee Mile Report Line	66
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Rd 20 bridge crossing the Fresno River looking downstream. Photo taken 7-14-2011.

phillips_c_20110819_085.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2011

Madera County FCWCA

Channel	Channel Length	Inspection Start/End	Inspector
Fresno River	13.00	07/14/2011 07/14/2011	Herman Phillips

Levee Mile Report Line	71
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Rd 19 D/S Limits bridge crossing the Fresno River, channel completely covered in tullies. Unable to see channel. Photo taken 7-14-2011.

phillips_c_20110819_086.jpg



Levee Mile Report Line	75
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments

This dead tree is located at the bridge in channel.

phillips_c_20110819_087.jpg



Levee Mile Report Line	76
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Rd 19, D/S Limits bridge crossing the Fresno River looking downstream. Wild growth of tullies and willows in channel. Photo taken 7-14-2011.

phillips_c_20110819_088.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected